

WHAT IS CLAIMED IS:

1. A lamp apparatus for a vehicle comprising:
a lamp unit having a light emitting diode as a light source in a lamp body; and
voltage adjustment means for adjusting a voltage to be applied to said light emitting diode;
wherein said voltage adjustment means is provided separately outside said lamp body.
2. The lamp apparatus for a vehicle according to claim 1, wherein said voltage adjustment means is attached to a supporting member on which said lamp unit is supported.
3. The lamp apparatus for a vehicle according to claim 1, and further including a lamp relay apparatus, said voltage adjustment means being positioned within said lamp relay apparatus and being provided separately relative to the lamp body.
4. The lamp apparatus for a vehicle according to claim 1, and further including a relay operatively connected to said voltage adjustment means for selectively turning said lamp unit on and off.

5. The lamp apparatus for a vehicle according to claim 4, wherein said relay includes an oscillation circuit, a relay coil excited by an output from the oscillation circuit and an armature for operating in response to a magnetic force from the relay coil.

6. The lamp apparatus for a vehicle according to claim 1, and further including a relay operatively connected to said voltage adjustment means for selectively turning said lamp unit on and off, said relay and said voltage adjustment means being disposed in a separate housings relative to each other.

7. A winker apparatus for a vehicle comprising:
a winker having a light emitting diode as a light source in a lamp body; and
voltage adjustment means for adjusting a voltage to be applied to said light emitting diode;

wherein said voltage adjustment means is provided in a winker relay apparatus separately from said lamp body.

8. A winker apparatus for a vehicle according to claim 7, wherein said voltage adjustment means is a resistor.

9. The lamp apparatus for a vehicle according to claim 7, and further including a lamp relay apparatus, said voltage adjustment means being positioned within said lamp relay apparatus and being provided separately relative to the lamp body.

10. The lamp apparatus for a vehicle according to claim 7, and further including a relay operatively connected to said voltage adjustment means for selectively turning said lamp unit on and off.

11. The lamp apparatus for a vehicle according to claim 10, wherein said relay includes an oscillation circuit, a relay coil excited by an output from the oscillation circuit and an armature for operating in response to a magnetic force from the relay coil.

12. The lamp apparatus for a vehicle according to claim 7, and further including a relay operatively connected to said voltage adjustment means for selectively turning said lamp unit on and off, said relay and said voltage adjustment means being disposed in a separate housings relative to each other.

13. A lamp apparatus for a vehicle wherein a light emitting diode is used as a light source comprising:

a lamp body case formed from a member having a high heat transfer property;
wherein said light emitting diode is attached to part of said lamp body case.

14. A lamp apparatus for a vehicle wherein a light emitting diode is used as a light source comprising:

voltage adjustment means for adjusting a voltage to be applied to said light emitting diode;

a heat radiating member, said voltage adjustment means being attached to said heat radiating member and said light emitting diode is attached to said heat radiating member in a spaced relationship from said voltage adjustment means.

15. The lamp apparatus for a vehicle according to claim 14, wherein the voltage adjustment means is positioned on a bottom wall disposed directly adjacent to the light emitting diode.

16. The lamp apparatus for a vehicle according to claim 15, wherein the bottom wall has a greater thickness relative to a circumferential wall of the lamp apparatus.

17. The lamp apparatus for a vehicle according to claim 14, and further including a resistance circuit wherein the resistance circuit is positioned on a circumferential wall of the lamp apparatus.

18. The lamp apparatus for a vehicle according to claim 17, and further including an electric circuit, said electric circuit being spaced apart from the resistance circuit with a partition wall being disposed therebetween.

19. The lamp apparatus for a vehicle according to claim 14, and further including a resistance circuit attached to a inner side of a cover mounted in a rear opening of the lamp apparatus.